



(72) SOUROUR, ESSAM ABDELFAH, US

(72) BOTTOMLEY, GREG, US

(72) RAMESH, RAJARAM, US

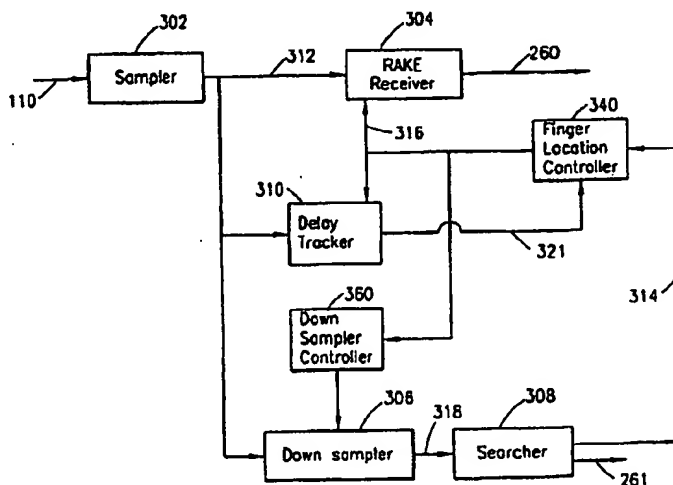
(71) ERICSSON INC., US

(51) Int.Cl.<sup>6</sup> H04B 17/00, H04B 1/707

(30) 1998/06/12 (09/096,960) US

(54) DISPOSITIF DE MESURE D'INTENSITE DE SIGNAUX PILOTE  
ET DE RECHERCHE DE VOIES DE PROPAGATION PAR  
TRAJETS MULTIPLES POUR RECEPTEUR AMCR

(54) PILOT STRENGTH MEASUREMENT AND MULTIPATH  
DELAY SEARCHER FOR CDMA RECEIVER



(57) L'invention se rapporte à un procédé et à un appareil permettant d'évaluer l'intensité des signaux d'un canal reçu au niveau d'une station mobile au sein d'un système de communication à étalement des spectres. Si le récepteur de la station mobile reçoit un signal à spectre étalé, un premier dispositif d'échantillonnage convertit ce signal en un premier train d'échantillonnage, à une première fréquence d'échantillonnage. Un second dispositif d'échantillonnage convertit le premier train d'échantillonnage en un second train d'échantillonnage à une seconde fréquence d'échantillonnage, différente de la première fréquence d'échantillonnage. L'intensité du signal d'un canal pour signaux pilotes est mesurée en fonction des premier et second trains d'échantillonnage.

(57) A method and apparatus for evaluating signal strength of a channel received at a mobile station within a spread spectrum communication systems is disclosed. If the receiver at the mobile station receives a spread spectrum signal, a first sampling means converts the received signal into a first sample stream as a first sampling. A second sampling means converts the first sample stream into a second sample stream at a second sample rate, different from the first sample rate. The signal strength of a pilot channel is measured based upon the first and second sample streams.



**ABSTRACT OF THE INVENTION**

A method and apparatus for evaluating signal strength of a channel received at a mobile station within a spread spectrum communication systems is disclosed. If the receiver at the mobile station receives a spread spectrum signal, a first sampling means converts the received signal into a first sample stream as a first sampling. A second sampling means converts the first sample stream into a second sample stream at a second sample rate, different from the first sample rate. The signal strength of a pilot channel is measured based upon the first and second sample streams.

**BEST AVAILABLE COPY**